

Antelope Data Analysis

Antelope User Group Meeting

Tucson, Arizona

11 June 2006

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Data Issues

- Import-Export of data
 - Many modules
- Dbresample
- Alter_timestamps
- Event segmentation
 - Trexcerpt
 - Event_archive
- **DBVERIFY!!!!**



Offline rt programs

- Dbdetect
- Dbgrassoc
- Dbassoc
- Magnitudes
- Driven from database
- **DBVERIFY!!!!!!**
- Replicates rt capabilities
- Sequential processing
- Integration with rt and other databases



Location, Location, Location

- Dbloc2
 - Dblocsat2
 - Dbgenloc
- Relocation
 - Relocate
 - Dbpmel/pmelgrid
- Misc travel time
- Dbloc2 GUI
 - Drives single event location
 - Handles organizing input data
- Pmelgrid:
 - Relocates full catalog
 - produces 3d grid of travel time correction



Analysis Tools

- Existing
 - Waveform viewing
 - Dbpick
 - Dbrsec
 - Array processing
 - Dbap
 - mwap
 - Spectrum Analysis
 - Dbwfmeas
 - Dbnoise
 - Displayspec
 - Dbmwspec
 - Dbspgram
 - Dbrfcn
 - Matlab
- Underdevelopment
 - Dbxcorr
 - Dbssplit
 - Plane wave stack
 - Plane wave migration
 - Source parameter estimation
 - Time-frequency analysis
 - Any others?

